

Application No 10/628,207  
Application dated July 29, 2003  
Reply to office action of June 6, 2009

### REMARKS/ARGUMENTS

Page 2 para1 claim rejection (Spring like structure)

It means spring only. I added spring like structure to enlarge the scope of claims. Since you always objected to it in your communication thus I thought that it is not acceptable by USPTO language, therefore I have deleted it and rewritten the claim. If you want I totally authorize you to remove spring like structure from claim or change the claim language as deemed by you.

Page 3 para1 (Structure and construction of catheter)

Please note below some parts of initial application  
BRIEF SUMMARY OF INVENTION (page 2 paragraph 4)

In the balloon proximal to balloon the shaft will be missing in a significant length and this part will have a spring.

BRIEF DESCRIPTION OF SEVERAL VIEWS OF DRAWING (page 2 paragraph 5)

Figure1

It explains the two types of springs incorporated in the shaft

Following modifications will help (page 3 paragraph 4)

Forward force; In the balloon proximal to balloon the shaft will be missing in a significant length and this part will have a spring (Figure 1A ), it will slowly get compressed in length with the force and transmit it forward. This segment will also have spirally running wires (Figure 1B) to act like a spring and absorb the force to transmit it forward.

Above segment will be in part of balloon where guide wire is inside the shaft and above modification so that the direction is not lost.

(page 4 paragraphs 1-4)

The balloon will be supplied in a fashion that the above segment is straight and the wire does not go through the gap of spring.

Alternatively a wire supplied with a receptacle at the distal segment to allow attaching to the guidewire.

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It will be in two types of strength, for proximal lesions(the target lesion being close to guiding catheter tip as proximal LAD) and distal lesions(the target lesion being distant to guiding catheter tip as distal RCA)

Above section is clearly mentioned in original application. It clearly states that proximal to balloon there is a spring to absorb forward force and transmit it forward.

Page 2 para2 (Specifications )

Figure 1A, 1B & 1C and Figure 2

I will request you to note that it is not a new matter.

In initial application, I had given Figure 1 & 2.

I did not know that patent office does not accept colored photos and accepts legends in figures in numerical forms not as A,B,C,D etc ( this I deducted from various allotted patent references that I had seen and tried to copy their pattern)

I will request you to note that in initial application figure 1 depicts circular spring and helical spring in different colors (blue and red), I think from attached references that patent office wants black and white figures, so I had to use more than one figure to show different types of springs in Figure 1B (circular spring) and figure 1C (helical spring). As stated earlier in initial application these two springs were shown in different colors so it was easy to depict in same figure. To clarify the figure it has been broken it to 1B & 1C. In initial application legend was shown as A,B. Now it is changed to numerical pattern.

Figure 1A is not a new matter it just depicts the standard balloon shaft. If you find it objectionable please remove it.

Figure 2 is as initial application. From colored it is now black and white. C,D,E,F is changed to 5,6,7. The element 6 is slightly more curved as it is shown in same color.

If these arguments regarding the figure is not acceptable to you then I can make original figures black and white and change the legends A,B,C,D,E & F to 1,2,3,4 & 5.

However I will request you to note again that fig 1A is not specific to my application and is only part of arguments. Such balloons(as figure 1 A), I have personally used in angioplasty for more than 20 years. 1B and 1C only depict two different types of springs and splitting figure 1 into two different figures is more explainable as it is now without different color contrast.

If you want I can send original photo in black and white and legends as A,B,C,D,E & F or 1,2,3,4 & 5 whichever is preferred by you.

Only change in specification can be related to the description of figures. If you want I can leave original figure in color with legends as A,B,C etc. I seek your advice about it. I authorize you to make any changes in it(figures or legends in figures or description of figures) as desired by official language.

I did call earlier inventor assistance centre few times but did not find it helpful

I will like you to note that in my application the three types of drugs are well defined.

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You earlier advised me to hire a patent attorney, and I informed you that they are beyond my resources thus I have no choice but to seek your assistance and thus authorize you to make desired changes in language.

***Conclusion***

Applicant respectfully requests that a timely Notice of Allowance be issued in this case.  
Respectfully submitted

(Dr. Vipul Narain Roy)

Dated September 1, 2009

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